

APPENDIX 5

BL FOR VERBAND DER CIGARETTENINDUSTRIE

Account of Tobacco Used
(All Values Computed on Bone Dry Basis)

1. Tobacco Received:

Leaf	- 3929.4 lbs. at 10% H ₂ O	=	3536.46 lbs.
Stem	- 721.0 lbs. at 5.88% H ₂ O	=	<u>678.60</u> lbs.
			4215.06 lbs.

2. Tobacco Remaining on Hand:

Stem		=	None
-50 Mesh Leaf	- 604 lbs. at 7% H ₂ O	=	562.00 lbs.
-50 Mesh Blend	- 233.5 lbs. at 7% H ₂ O	=	<u>273.00</u> lbs.
			835.00 lbs.

3. Tobacco Used Therefore is:

4215.06
<u>835.00</u>
3380.06 lbs.

4. Binder Usage:

83% = Leaf	1285.41 lbs. at 7% H ₂ O	=	1195.43 lbs.
17% = Stem	263.44 lbs. at 7% H ₂ O	=	<u>245.00</u> lbs.
			1440.43 lbs.

5. Pounds Sheet Produced = 3017 lbs. at 20% H₂O = 2414 lbs.

Average Binder Weight = 3.20 gm/sq. ft.

Average Sheet Weight = 11.64 gm/sq. ft.

6. Blended Dust = 11.64 - 3.20 = 8.44 gm/sq. ft. = 72.517% of Sheet

72.517% x 2414 = 1751 lbs. blended dust or sheet

2) 835.00

4) 1440.43

6) 1751.00

4026.43 lbs. accounted for

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APPENDIX 5 (continued)

7. $4215.06 - 4026.43 = 188.63$ lbs. of Tobacco Lost as Dust
and Sheet or 4.48%

8. Stem Received = 678.60 lbs.
Binder Stem = 245.00 lbs.
Stem Used in Blend 433.60 lbs.
Stems Remaining = None

9. Leaf Received = 3536.46 lbs.
Binder Leaf = 1195.43 lbs.
2341.03 lbs.
-50 Leaf
Remaining = 562.00 lbs.
Leaf Used in Blend 1779.03 lbs.

10. Leaf in Blend = 1779.03 lbs.
Stem in Blend = 433.60 lbs.
2212.63 lbs.
So Leaf = 80.4%
Stem = 19.6%

NOTE: Assuming none of
the remaining -50
leaf contains
any stem.

11. Leaf Usage:

2)	Remaining on Hand	562.00 lbs.
4)	Used in Binder	1195.43 lbs.
2)	80.4% of Remaining Blend	218.40 lbs.
6)	80.4% of Dust in Sheet	<u>1400.80</u> lbs.
		3376.63 lbs.

$3536.46 - 3376.63 = 159.83$ lbs. Lost

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APPENDIX 5 (continued)

12. Stem Usage:

2) Remaining on Hand	None
4) Used in Binder	245.00 lbs.
2) 19.6% of Remaining Blend	54.60 lbs.
6) 19.6% of Dust in Sheet	<u>350.20 lbs.</u>
	649.80 lbs.

678.60 - 649.80 = 28.80 lbs. Lost

13. 11) 159.83 (34.7%)
 12) 28.80 (15.3%)
 188.63 lbs. Lost
 (Note Same as #7)

14. Binder:

4) Total Leaf Used	=	1195.43 lbs.
Total Stem Used	=	245.00 lbs.
Total DAP Used	=	279.56 lbs.
Total DEG Used	=	104.81 lbs.
Total Scrb. Used	=	<u>3.44 lbs.</u>
		1828.24 lbs.

From 6) Binder is 27.483% of Total Sheet

27.483% of 2414 = 663.43692 lbs. of Binder in Sheet

663.43692 ÷ 1828.24 = 36.29% of Binder Solids Used Are
In the Sheet

15. It appears that about 69.22 lbs. of stems were mixed in error with -50 mesh leaf during the grinding and then labeled as leaf which caused the leaf to stem ratio in the blended dust to vary from 83% leaf, 17% stem to 80.4% leaf, 19.6% stem.

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